

Number and annual average rate¹ of underground fatalities associated with various types of employers and commodities, by type of incident², 1994-1998.

Type of Incident		Type of Employer and Commodity							Total
		Mine Operators					Independent Contractors		
		Coal	Metal	Nonmetal	Stone	Sand & Gravel	Coal	M/NM ³	
Fall of ground (from in place)	No.	52	11	2	4	0	0	0	69
	Rate	22.7	37.5	12.5	45.1	0.0	0.0	0.0	23.4
Powered haulage	No.	29	3	3	0	0	1	0	36
	Rate	12.7	10.2	18.7	0.0	0.0	13.5	0.0	12.2
Machinery	No.	13	1	0	0	0	0	0	14
	Rate	5.7	3.4	0.0	0.0	0.0	0.0	0.0	4.8
Electrical	No.	7	1	2	1	0	0	0	11
	Rate	3.1	3.4	12.5	11.3	0.0	0.0	0.0	3.7
Falling, rolling, or sliding rock or material	No.	2	1	0	0	0	1	0	4
	Rate	0.9	3.4	0.0	0.0	0.0	13.5	0.0	1.4
Hand tools	No.	3	0	0	0	0	0	1	4
	Rate	1.3	0.0	0.0	0.0	0.0	0.0	23.8	1.4
Ignition/explosion of gas/dust	No.	3	0	0	0	0	0	0	3
	Rate	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.0
Slip or fall of person	No.	0	2	0	0	0	0	0	2
	Rate	0.0	6.8	0.0	0.0	0.0	0.0	0.0	0.7
Unknown or NEC	No.	1	0	0	0	0	0	0	1
	Rate	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Hoisting	No.	0	0	0	0	0	0	1	1
	Rate	0.0	0.0	0.0	0.0	0.0	0.0	23.8	0.3
Explosives and breaking agents	No.	0	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Exploding vessels under pressure	No.	0	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Handling materials	No.	0	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fire	No.	0	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Inundation	No.	0	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	No.	110	19	7	5	0	2	2	145
	Rate	48.1	64.8	43.7	56.4	0.0	26.9	47.7	49.2

¹Computed per 200 million employee hours or 100,000 FTEs.

²MSHA's accident/injury/illness classification.

³Includes Metal, Nonmetal, Stone, Sand and Gravel.